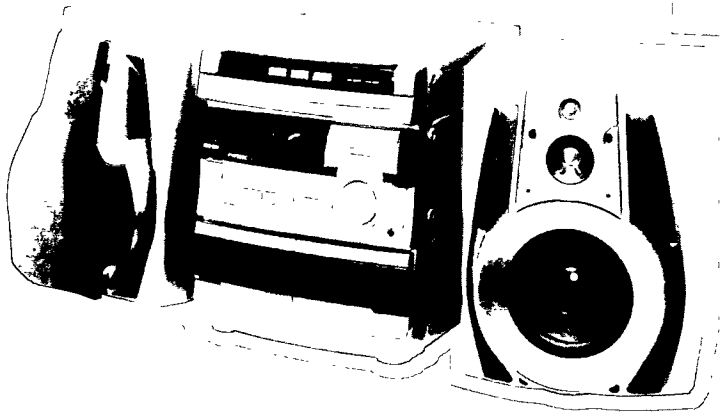
PHILIPS

FW 538 Mini HiFi System



Instructions for use
Mode d'emploi
Instrucciones de manejo
Bedienungsanleitung
Gebruiksaanwijzing
Istruzioni per l'uso
Brugsanvisning
Bruksanvisning
Käyttöohje
Manual de utilização
Οδηγίες χρήσεως

PHILIPS

Important notes for users in the U.K.

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1 Remove fuse cover and fuse.
2 Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
3 Refit the fuse cover

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L)

As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured black.
- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or ⏚) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

Italia

Dichiarazione di conformita'

Si dichiara che l'apparecchio FW538 Philips risponde alle prescrizioni dell'art. 2, comma 1 del D.M. 28 Agosto 1995
n. 548.

Fatto a Eindhoven , il 26/05/1998

Philips Sound & Vision
Philips, Glaslaan 2, SFF 10
5616 JB Eindhoven, The Netherlands

Norge

Typeskilt finnes på apparatens underside

Observer: Nettbryteren er sekundert innkoplet Den innebygde netdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.

For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

INDEX

English 4
Français 26
Español 48
Deutsch 70
Nederlands 92
Italiano 114
Svenska 136
Dansk 158
Suomi 180
Português 202
Ελληνικά 224

English

Page

General Information 5
Safety Information 5
Preparation ..... 6 – 7
Controls ..... 8 – 9
Operating the system ..... 10 – 11
CD ..... 12 – 14
Tuner ..... 15 – 17
Tape ..... 18 – 19
Aux 19
Recording ..... 20 – 21
Clock / Timer ..... 21 – 22
Specifications 23
Maintenance 24
Troubleshooting ..... 24 – 25

GENERAL INFORMATION

General Information

- ***The typeplate (which contains the serial number) is located at the rear of the system.***
- ***Recording is permissible if copyright or other rights of third parties are not infringed.***
- ***This product complies with the radio interference requirements of the European Community.***

Environmental Information

All unnecessary packaging material has been omitted. We have done our utmost to make the packaging easily separable into three mono-materials: cardboard (box), polystyrene foam (buffer) and polythene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Accessories (Supplied)

- Remote control
- Batteries (2 x AAA size) for remote control
- AM loop antenna
- FM antenna wire
- AC power cord
- Optical cable.

SAFETY INFORMATION

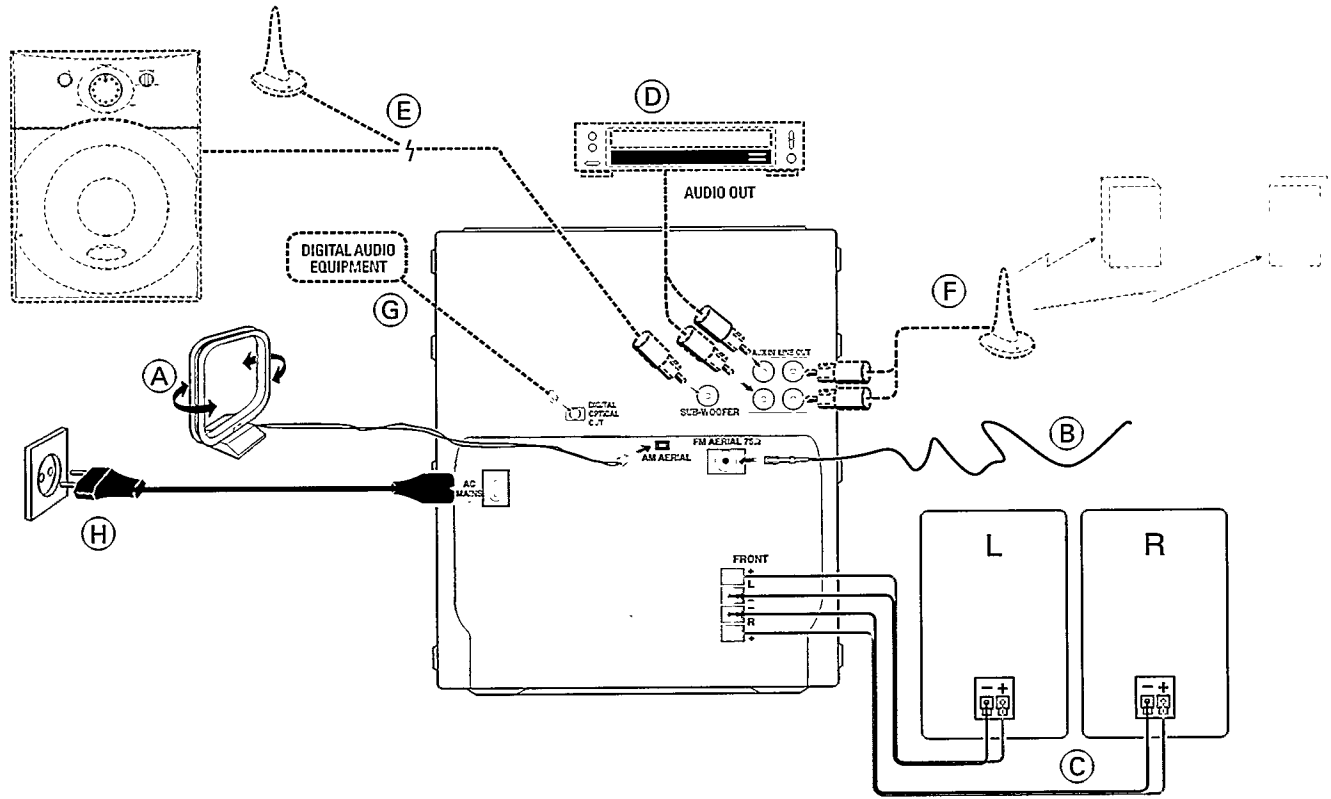
Safety Information

- Before operating the system, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) of your system is identical with the voltage of your local power supply. If not, please consult your dealer. The type plate is located at the rear of your system.
- When the system is switched on, do not move it around.
- Place the system on a solid base (e.g. a cabinet).
- Place the system in a location with adequate ventilation to prevent internal heat build-up in your system.
- Do not expose the system to excessive moisture, rain, sand or heat sources.
- Under no circumstances should you repair the system yourself, as this will invalidate the warranty!
- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the CD unit inside the system. Should this occur, the CD player will not operate normally. Leave the power on for about one hour with no disc in the system until normal playback is possible.
- Electrostatic discharge may cause unexpected problems. See whether these problems disappear if you unplug the AC power cord and plug it in again after a few seconds.
- **To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.**

English

English

Rear Connections



Ⓐ AM Antenna Connection

Connect the supplied loop antenna to the AM AERIAL terminal. Place the AM loop antenna far away from the system and adjust its position for the best reception.

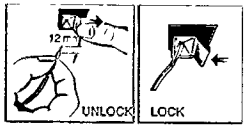
Ⓑ FM Wire Antenna Connection

Connect the supplied FM wire antenna to the FM 75 Ω terminal. Adjust the position of the FM antenna for the best reception.

Outdoor Antenna

For better FM stereo reception connect an outdoor FM antenna to the FM AERIAL 75 Ω terminal using a 75 Ω coaxial wire.

Ⓒ Speaker Connections



- Connect the right speaker to Front terminal R, with the red wire to + and the black wire to −.
- Connect the left speaker to Front terminal L, with the red wire to + and the black wire to −.
- Clip the stripped portion of the speaker wire as shown.

Ⓓ Connecting other equipment to your system

You can connect the audio left and right OUT terminals of a TV, VCR, Laser Disc or DVD player to the AUX IN terminal at the rear of the system.

Ⓔ Subwoofer Out Connection

You can connect either an optional active subwoofer or an optional wireless active subwoofer to the SUBWOOFER OUT terminal. The wireless system uses a radio frequency transmitter. The subwoofer reproduces just the low bass effect (e.g. explosions, the rumble of spaceships, etc.). Be sure to follow the instructions supplied with the subwoofer.

Ⓕ Line Out *(wireless ready)*

You can make analogue recording of Tuner, CD or Tape to CDR by connecting the cinch cables from LINE OUT on Mini System to LINE IN on CDR.
You may install additional front active speakers away from the system (e.g. in another room) to reduce the inconvenience of running long speaker wires across rooms. You can place as many remote speakers as you like provided that they operate at the same radio frequency. Connect the wireless radio frequency transmitter to the LINE OUT terminals. Place the active speakers at your preferred location. Be sure to follow the instructions supplied with the active speakers.

Note:

– *Availability of wireless transmitter and its peripherals are subjected to the approval of local authorities. Please check with respective local safety or approving authority.*

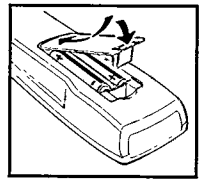
Ⓖ Digital Optical Out

You can record the digital sound from the CD, through this output, on any audio equipment with digital input (e.g. digital amplifier, Digital Audio Tape (DAT) deck, Digital to Analog Converter and Digital Signal Processor). Connect one end of the optical cable (supplied) to the DIGITAL OPTICAL OUT socket and the other end to the audio equipment with digital input. When the DIGITAL OPTICAL OUT socket is not used, be sure to cover the socket with the supplied dust cap.

Ⓗ AC Power Supply

After all other connections have been made, connect the AC power cord to the system and to the wall outlet.

Inserting batteries into the Remote Control



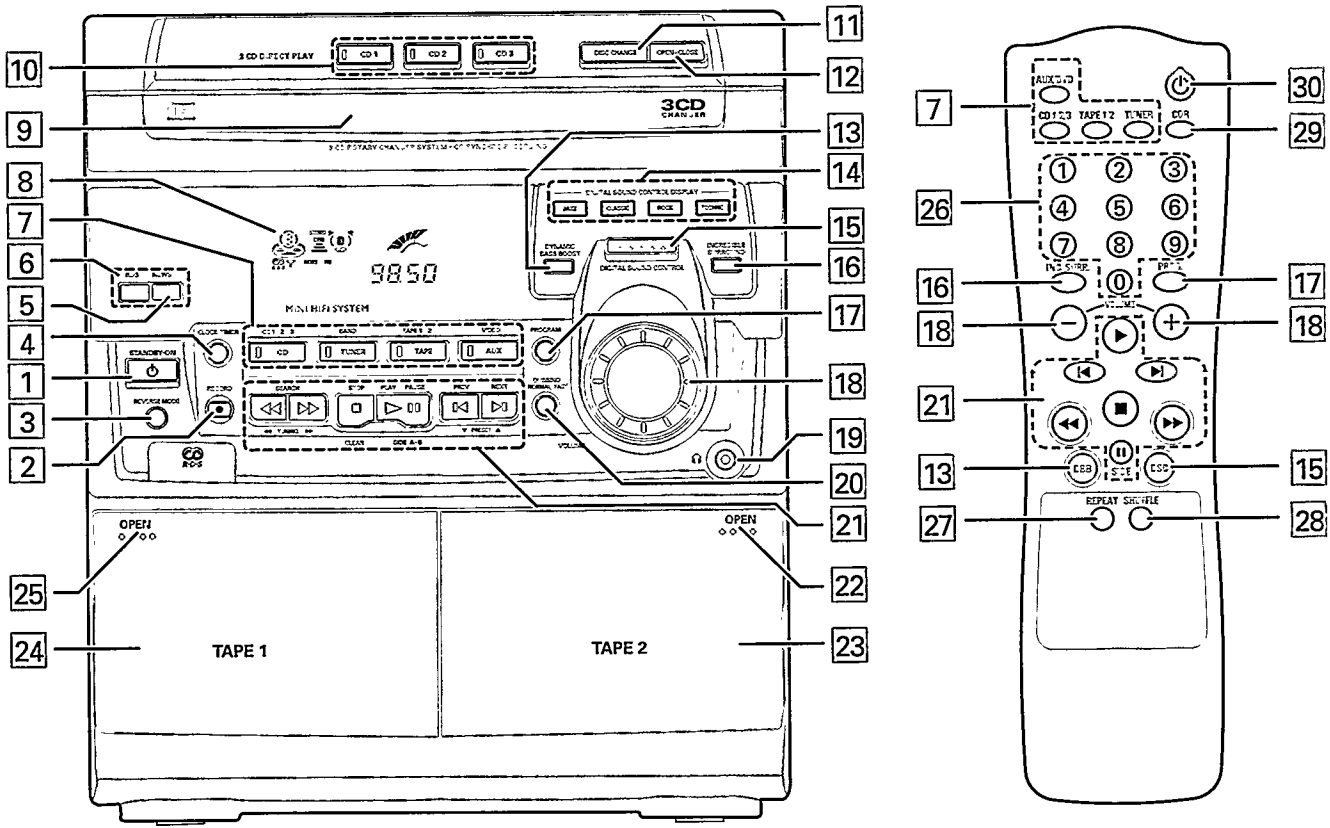
- Insert the batteries (Type R03 or AAA) into the remote control as shown in the battery compartment.
- To avoid damage from possible battery leakage, remove dead batteries or batteries that will not be used for a long time. For replacement, use type R03 or AAA batteries.

Notes for remote control:

– *First select the source you wish to control by pressing one of the source select buttons on the remote control (e.g. CD 1/2/3, TUNER, TAPE 1/2 or AUX).*

– *Then select the desired function (PLAY, NEXT, etc.).*

CONTROLS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TAPE 1
TAPE 2
OPEN
OPEN
3CD CHANGER
MINI HIFI SYSTEM
9850
STANDBY-ON
CLOCK TIMER
PROGRAM
RECORD
REVERSE MODE
CD
TUNER
TAPE
AUX
SEARCH
STOP
PLAY/PAUSE
PREV
NEXT
DISC CHANCE
OPEN-CLOSE
DIGITAL SOUND CONTROL
DIGITAL BASS BOOST
VOLUME
AUX/CD
CD1 2 3
TAPE 1 2
TUNER
CDR
INTRO
PRG
VOLUME
REPEAT
SHUFFLE

English

Controls on the system and remote control

1 **STANDBY•ON**
- to switch the system on or to standby mode.
- to store radio stations automatically by pressing and holding for 2 seconds *(only in Standby or Demonstration mode)*.

2 **RECORD**
- to start recording on tape deck 2 only.

3 **REVERSE MODE**
- to select the different playback mode on tape deck 2 only.

4 **CLOCK•TIMER**
- to view clock, set clock or timer.

5 **NEWS**
- to hear news at a preset time automatically.

6 **RDS**
- to select RDS data.

7 **SOURCE** – to select the following:
CD (CD 1•2•3) ..... to select CD mode. When in CD stop mode; to select the respective disc tray.
TUNER (BAND) ..... to select Tuner mode. When in Tuner mode; to select the waveband: FM, MW or LW.
TAPE (TAPE 1•2) ..... to select Tape mode. When in tape stop mode; to select either tape deck 1 or tape deck 2.
AUX (VIDEO) ..... to select external source (e.g. DVD, TV, Laser Disc or VCR sound).

8 **DISPLAY**
- to view the current setting of the system.

9 **CD CAROUSEL TRAY**

10 **3 CD DIRECT PLAY**
- to select a CD tray for playback.

11 **DISC CHANGE**
- to change CD(s).

12 **OPEN•CLOSE**
- to open or close the CD carousel tray.

13 **DYNAMIC BASS BOOST (DBB)**
- to select bass boost level (Beat, Punch, Blast).

14 **DIGITAL SOUND CONTROL DISPLAY PANEL**
- to view the selected DSC setting.

15 **DIGITAL SOUND CONTROL (DSC)**
- to select the desired sound effect : OPTIMAL, JAZZ, CLASSIC, ROCK or TECHNO.

16 **INCREDIBLE SURROUND**
- to switch on or off the surround sound effect.

17 **PROGRAM**
- to program CD tracks in CD mode or preset radio stations in tuner mode.

18 **VOLUME**
- to adjust the volume level.

19 **HEADPHONES** 🎧
- to connect headphones jack.

20 **DUBBING**
- to dub a tape in normal or high speed.

21 **MODE SELECTION**
◀◀ SEARCH ▶▶ (◀◀ TUNING ▶▶)
for CD ..... to search backward/forward.
for TUNER ... to tune to a lower or higher radio frequency.
for TAPE ..... to rewind or fast forward on tape deck 2 only.

STOP ■ (CLEAR)
for CD ..... to stop CD playback or clear a program.
for TUNER ... to stop programming.
for TAPE ..... to stop playback or recording.

PLAY ▶/PAUSE ❚❚ (SIDE A•B)
for CD ..... to start or interrupt playback.
for TAPE ..... to start playback; When playing in tape 2 mode, to change side.

PREV ⏮ / NEXT ⏭ (▼ PRESET ▲)
for CD ..... to skip to the beginning of the current or previous/next track.
for TUNER ... to select a preset radio station in memory.

22 **OPEN**
- to open tape deck 2.

23 **TAPE DECK 2**

24 **TAPE DECK 1**

25 **OPEN**
- to open tape deck 1.

26 **Digit 0 - 9**
- (numbers consisting of two figures must be keyed in within 2 seconds.)
- to key in a CD track *(only for CDR operation)*.

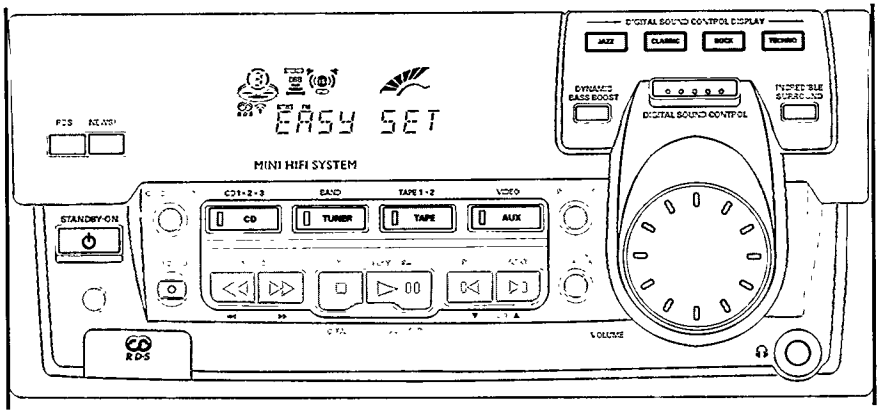
27 **REPEAT**
- to repeat a CD track.

28 **SHUFFLE**
- to play all the available discs and their tracks in random order.

29 **CDR**
- to select CDR mode.

30 ⏻
- to switch the system to standby mode.

OPERATING THE SYSTEM



Important:
Before you begin operating the system, complete the preparation procedures.

Demonstration mode

The system has a demonstration mode that shows the various features offered by the system. ***Whenever the system is switched on from the wall socket, the demonstration mode will start automatically.***

- *During demonstration mode, if you press any source (or standby-on) button, the system will switch to the respective (or standby) mode.*
- *When the system is switched to standby mode, 5 seconds later, the demonstration mode will begin again.*

To cancel demonstration mode

- Press and hold **STOP** ■ *(on the system only)* for ***3 seconds*** to stop the demonstration.
  → The demonstration mode will be switched off permanently.

Easy Set *(only in Standby or Demonstration mode)*

EASY SET allows you to store all available radio stations and RDS stations in a particular band (FM•MW•LW) automatically (see Easy Set under TUNER section).

Switching the system ON

- Press **STANDBY•ON** *(on the system only)*, **CD**, **TUNER**, **TAPE** or **AUX**.

You can also switch on the system by pressing any one of the 3 CD DIRECT PLAY buttons

Switching the system to standby mode

- Press **STANDBY•ON** again.

Selecting the Source

- Press the respective source selection button **CD**, **TUNER**, **TAPE** or **AUX**.
  → The display indicates the selected source

Note:

- *For an external source, make sure you have connected the audio left and right OUT terminals of the external equipment (TV, VCR, Laser Disc or DVD player) to the AUX IN terminals.*

Sound Control

VOLUME ADJUSTMENT

Adjust **VOLUME** to increase or decrease the sound level.

For Personal Listening

Connect the headphones plug to the ⍾ socket at the front of the system. The speakers will be muted.

INCREDIBLE SURROUND

Normal stereo sound is determined by the distance between the front speakers. When Incredible Surround is switched on, it magnifies the virtual distance between the front speakers for an incredibly wide, enveloping, stereo effect.

- Press **INCREDIBLE SURROUND** to switch on.
  - → The INCREDIBLE SURROUND button lights up.
  - → "IS" will be displayed.

To switch off Incredible Surround

- Press **INCREDIBLE SURROUND** again.
  - → The INCREDIBLE SURROUND button light is switched off.
  - → "IS OFF" will be displayed.

DIGITAL SOUND CONTROL (DSC)

The DSC feature enables you to enjoy special sound effects that have preset equalizer settings, providing the best music reproduction.

- Press **DIGITAL SOUND CONTROL (DSC)** to select **OPTIMAL, JAZZ, CLASSIC, ROCK** or **TECHNO**.
  - → The Digital Sound Control display panel will light up respectively. At OPTIMAL setting, the DSC display panel does not light up.
  - → "OPTIMAL, JAZZ, CLASSIC, ROCK or TECHNO" will be displayed.

Automatic DSC-DBB selection

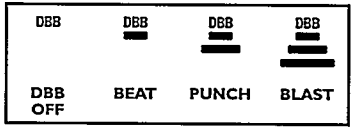
The best setting for the DBB is automatically generated for the respective DSC selection. You can also manually select the DBB setting that best suits your listening environment.

DSC Selection	DBB Selection
Optimal	Punch
Jazz	Punch
Classic	Beat
Rock	Blast
Techno	Blast

DYNAMIC BASS BOOST (DBB)

The DBB mode enhances the bass response.

- Press **DBB** briefly to select the various level of bass boost.
  - → The DBB button lights up.
  - → "BEAT, PUNCH or BLAST" will be displayed.



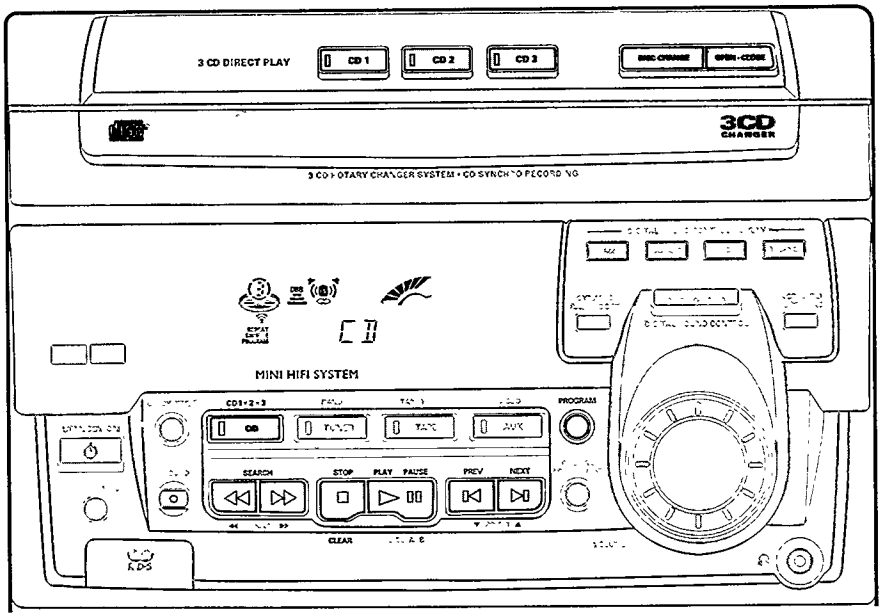
To switch off DBB

- Press **DBB** briefly until the DBB button light is switched off.
  - → "DBB OFF" will be displayed.

Note:

- *Some CDs or tapes might be recorded in high modulation. It may cause distortion at high volume If this occurs, switch off Incredible Surround (if available), DBB level or reduce the volume.*

English



Warning!

1) This system is designed for conventional CDs. Do not use any accessories like disc stabilizer rings or CD treatment sheets, etc., which may damage the CD mechanism.

2) Do not load more than one disc into each tray.

3) When the CD changer is loaded with CD(s), do not turn over or shake the system. This may jam the changer.

You can load up to three discs in the CD changer for continuous playback without interruption.

Loading the CD Changer

1 Press **CD** to select CD mode.

2 Press **OPEN•CLOSE**.
→ The CD compartment slides out.

3 Load a CD with the printed side up in the right tray

- You can load another disc in the left tray.
- To load the third disc, press **DISC CHANGE**.
  → The CD changer carousel will rotate until the empty tray is at the right hand side and is ready for loading.
  → Playback will always start with the disc in the outer right disc tray.

4 Press **OPEN•CLOSE** to close the CD compartment.
→ The total number of tracks and playing time of the last selected disc appear on the display.

3 CD Direct Play

- You can play a CD directly by pressing the corresponding **3 CD DIRECT PLAY (1 - 3)** button. The CD player will stop at the end of playback of the selected disc.
  → When the button is lighted, it indicates that there is a disc loaded in the disc tray.

Playing a CD

1 Press **PLAY ▶** to start playback.
  → The disc tray, track number and elapsed playing time of the current track appear on the display.
  → The LED on the respective 3 CD Direct Play button will be flashing.
- To interrupt playback, press **PAUSE ❚❚**.
  → The playing time flashes.
- To resume playback, press **PLAY ▶** again.

2 To stop playback, press **STOP ■**.

Note:

– *All the available discs will be played once, then stop. When the CD has stopped playing, the system will switch to the standby mode after 15 minutes if no button is pressed.*

Disc Change

You can change the outer 2 discs while the third inner disc is at the stop or playback mode.

1 Press **DISC CHANGE**.
  → The CD compartment slides out.
2 Replace the discs in the left and right disc trays.
- If you press **DISC CHANGE** again during playback, the CD will stop playing.
  → The CD carousel tray will rotate until the inner tray is at the right hand side and is ready for changing.

3 Press **OPEN•CLOSE** to close the CD compartment.

Selecting a desired track

Selecting a desired track at the stop mode

1 Press **PREV ⏮** or **NEXT ⏭** until the desired track appears on the display.
2 Press **PLAY ▶** to start playback.
  → The selected track number and elapsed playing time appear on the display.

Selecting a desired track during playback

1 Press **PREV ⏮** or **NEXT ⏭** until the desired track appears on the display.
  → The selected track number and elapsed playing time appear on the display.
- If you press **PREV ⏮** once it will skip to the beginning of the current track and play the track again.

Searching for a particular passage during playback

- Press and hold **◀◀** or **▶▶** until the desired passage is located.
  → The volume will be reduced.
- Playback returns to normal when **◀◀** or **▶▶** is released.

Programming Tracks

Programming tracks of a loaded CD is possible in the stop mode. The display will indicate the total tracks stored in the program. Up to 40 tracks can be stored in the memory in any order. When 40 tracks are stored and you attempt to store another track, the display will show *"PROGRAM FULL"*.

1 Load the desired discs in the disc trays.
2 Press **PROGRAM** to start programming.
  → The PROGRAM flag starts flashing
3 Press the **CD (CD 1•2•3)** to select the desired disc.
4 Press **PREV ⏮** or **NEXT ⏭** to select the desired track.
5 Press **PROGRAM** to store the track.
- Repeat steps ***3*** to ***5*** to store other discs and tracks.

6 Press **STOP ■** once to end programming mode.
  → The total number of tracks programmed and total playing time appear on the display.

Notes:

– *If the total playing time is more than "99:59" or if one of the programmed tracks has a number greater than 30, then "--:--" appears in the display instead of the total playing time.*

– *During programming, If no button is pressed within 20 seconds, the system will exit program mode automatically.*

Playing the program

1 Press **PLAY** ▶ to start program playback.
→ "PLAY PROGRAM" will be displayed.
→ The track number and elapsed playing time of the current track will appear on the display.
- If you press **REPEAT** during program playback, the current track will be played repeatedly.
→ The REPEAT and PROGRAM flags will be displayed.

2 Press **STOP** ■ to stop program playback.

Note:
– *If you press any of the 3 CD DIRECT PLAY buttons, the system will play the selected disc or track and the stored program will be ignored temporarily. The PROGRAM flag will also temporarily disappear from the display and then reappear, when the playback for the selected disc ends.*

Reviewing the program

Reviewing of the program is only possible in the stop mode.
- Press **PREV** |◀ or **NEXT** ▶| repeatedly to review the programmed tracks.
- Press **STOP** ■ to exit review mode.

Erasing the program *(in the stop mode)*

- Press **CLEAR** on the system.
→ "PROGRAM CLEARED" will be displayed.

Note:
– *The program will be erased when the system is disconnected from the power supply. If the CD carousel is opened, the tracks belonging to the outer two trays will be erased and the display will show "CLEARED".*

Shuffle *(only on remote control)*

It will play all the available discs and their tracks in random order. Shuffle may also be used when tracks are programmed.

To shuffle all the discs and tracks

1 Press **SHUFFLE**.
→ "SHUFFLE" will be displayed.
→ The SHUFFLE flag, the disc and the track selected at random appear on the display.
- The discs and the tracks will now be played in random order until you press **STOP** ■.
- If you press **REPEAT** during shuffling, the current track will be played repeatedly.
→ The REPEAT and SHUFFLE flags will be displayed.

2 Press **SHUFFLE** again to resume normal playback.
→ The SHUFFLE flag disappears from the display.

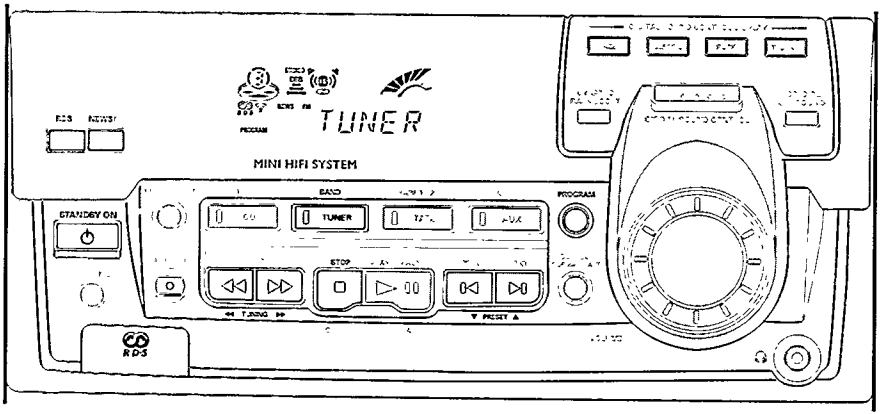
Note:
– *All the available discs will be played once, then stop.*

Repeat *(only on remote control)*

It will play the current track repeatedly.

1 Press **REPEAT** during playback.
→ "REPEAT TRACK" will be displayed
→ The REPEAT flag and the track selected appear on the display.
- The track will now be played repeatedly until you press **STOP** ■.

2 Press **REPEAT** again to resume normal playback.
→ The REPEAT flag disappears from the display



Easy Set *(only in Standby or Demonstration mode)*

EASY SET allows you to store all available radio stations and RDS stations in a particular band (FM•MW•LW) automatically.

1 Press and hold **STANDBY•ON** *(on the system only)* for 2 seconds.
   → "EASY SET" will be displayed and followed by "TUNER".
   → Easy set will start with the last active band.
   → All available radio stations with sufficient signal strength will be stored or until 40 presets are filled.
2 The system will search once again for the first available RDS station and to set the RDS time automatically.

- When searching RDS station;
  → "SEARCH RDS STATION" will be displayed. If no RDS station is available, the program will exit automatically.
  → After a station is found, "EASY SET" will be displayed and followed by "TIME".
- When searching RDS time;
  → "SEARCH RDS TIME" will be displayed.
  → When RDS time is read, "RDS TIME" will be displayed. The current time is displayed for 2 seconds and will be stored automatically.

Notes :

– *When EASY SET is used, all previously stored stations will be erased.*
– *The last preset station or the first available RDS will appear on the display when Easy Set is completed.*
– *If RDS station does not transmit RDS time within 90 seconds, the program will exit automatically and the display will show "NO RDS TIME".*

Tuning to Radio Stations

1 Press **TUNER** to select TUNER mode.
   → "TUNER" will be displayed.
   → The preset station number, frequency and waveband appear on the display.
2 Press **TUNER (BAND)** again to select the desired waveband : FM, MW or LW.
3 Press **TUNING ◀◀** or **▶▶** for more than one second, then release.
   → The display will show "SEARCH" until a radio station with sufficient signal strength is found.

- Repeat this procedure until the desired radio station is reached.
- To tune to a weak station, briefly press **TUNING ◀◀** or **▶▶** until the display shows the desired frequency and/or when the best reception has been obtained.

English

Storing Preset Radio Stations

You can store up to 40 radio stations in the memory. When a preset radio station is selected, the preset number appears next to the frequency on the display.

Automatic programming

1 Press **TUNER**.
2 Press **TUNER (BAND)** again to select the desired waveband : FM, MW or LW.
3 Press **PROGRAM** for more than one second.
→ PROGRAM flag starts flashing and "AUTO" will be displayed.
→ Every available radio station will be stored automatically. The frequency and preset number will be displayed briefly.
→ The system will stop searching when all the available radio stations are stored or when the memory for 40 preset radio stations is used.
→ The system will remain tuned to the last stored preset radio station.

- Repeat the above procedure to store other preset stations for the other waveband. Remember to select the next available preset number before proceeding. If not, some of the preset radio stations may be erased.

Notes:
– *You can cancel the automatic programming by pressing PROGRAM or STOP ■ .*
– *If you want to reserve a section of preset numbers, for example preset numbers 1 to 9, select preset 10 before starting automatic programming: now only the preset numbers 10 to 40 will be programmed.*

Manual programming

1 Press **TUNER**.
2 Press **TUNER (BAND)** to select the desired waveband: FM, MW or LW.
3 Press **PROGRAM** for less than one second.
→ PROGRAM flag, the frequency and preset station number start flashing.
→ The next available preset number will be displayed for selection.
4 Press **TUNING** ◀◀ or ▶▶ to tune to the desired frequency.
- When all 40 presets are stored, no preset number is shown.
→ The message "PROGRAM FULL" will be displayed.
- If you wish to store the radio station to another preset number, press **PRESET** ▼ or ▲ to select the desired preset number.
5 Press **PROGRAM** again.
→ PROGRAM flag will stop flashing, and the radio station will be stored.

- Repeat the above procedure to store other preset radio stations.

Notes:
– *You can cancel the manual programming by pressing STOP ■ .*
– *During programming , If no button is pressed within 20 seconds, the system will exit program mode automatically.*

Tuning to Preset Radio Stations

- Press **PRESET** ▼ or ▲ to select the desired preset number.
→ The preset number, frequency and waveband appear on the display.

Receiving RDS radio station

RDS (Radio Data System) is a broadcasting service that allows FM stations to send additional information along with the regular FM radio signal. This additional information can contain:

- **STATION NAME:** The station name is displayed.
- **FREQUENCY:** The frequency of the station is displayed.
- **PROGRAM TYPE:** The following program types exist and can be received by your tuner: News, Affairs, Info, Sport, Educate, Drama, Culture, Science, Varied, Pop M, Rock M, M.O.R. (middle of the road music), Light M, Classics, Other M, No type.
- **RADIO TEXT (RT):** text messages appear in the display.

When you have tuned to a RDS station, the RDS logo (RDS) and the station name will appear on the display:

- The display normally shows the radio station name if available.
  By repeatedly pressing **RDS** button you can change the type of display information:
  → The display shows in turn:
  STATION NAME → FREQUENCY → PROGRAM TYPE → RADIO TEXT → STATION NAME ...

Note:

– *When you press the RDS button and the display shows "NO RDS", it indicates that either the tuned station is not transmitting RDS signal or it is a non RDS station.*

RDS Time

Some RDS station may be transmitting a real clock time at an interval of every minute.

Setting the time with RDS clock

1 Press **CLOCK•TIMER**.
  → "--:--" or current time appears on the display.
2 Press **CLOCK•TIMER** once more to enter clock setting mode.
  → "00:00" or current time starts flashing.
3 Press **RDS**.
  → The message "SEARCH RDS TIME" will be displayed.
  → If the station does not transmit RDS clock, "NO RDS TIME" will be displayed.
  → When the RDS clock is read, "RDS TIME" will be displayed. The current clock time is displayed for 2 seconds and will be stored automatically.

News *(only available in Radio Station with RDS)*

You can activate NEWS function in Standby or any source mode except Tuner mode. Once the News PTY (program type) is detected in a RDS station, it will switch to TUNER mode automatically.

To start NEWS function

1 Press **NEWS**.
- The NEWS flag and "NEWS ON" will be displayed.
- It will search for the first available RDS station in the presets and wait for the News PTY (program type) to be available. During News PTY search :
  → If **NEWS** activate from Standby or Demo mode, the display will show "WAITING FOR NEWS".
  → If **NEWS** is activated from CD, Tape or Aux mode, the current source activity will be remain uninterrupted.
  → If no RDS station is found after the search, the News function will be switched off. The display will show "NO RDS NEWS" and NEWS flag will disappear from the display.
- When News transmission is detected, the system will switch to Tuner mode.
  → The NEWS flag starts flashing.
- After News has ended, the last selected source mode will be resumed.
  → The NEWS flag will disappear from the display.

To cancel NEWS function

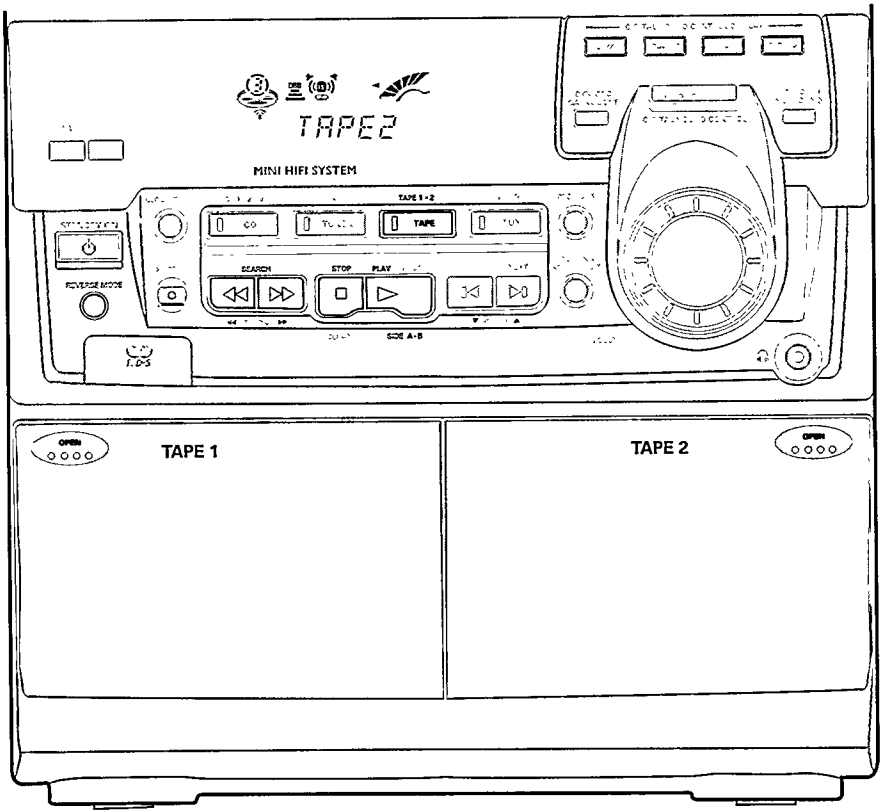
- Press **NEWS** again.
  → The NEWS flag disappears and "NEWS OFF" will be displayed.
  → The last selected source mode will be resumed.

Notes:

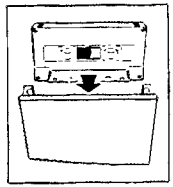
– *During NEWS bulletin, you can press any available source button to cancel NEWS function and execute the relevant source mode.*

– *The NEWS works only once for each activation.*

– *If NEWS is activated from Standby or Demostration mode, it switches to Tuner mode and the sound will be muted until News is available.*



Loading a tape



- Press **OPEN**.
- The tape deck door opens.
- Load the tape with the open side downward and the full spool to the left.
- Close the tape deck door.

Tape Playback

1 Press **TAPE** to select TAPE mode.
→ "TAPE 1" or "TAPE 2" will be displayed
- Press **TAPE** again to select either tape deck 1 or tape deck 2.

2 Load the tape into the desired tape deck.

3 Press **PLAY ▶** to start playback.

3a *(For Tape Deck 2 only)*
Press **SIDE A•B** to switch playback between sides A and B.
→ The ◀ or ▶ (back or front) flag appears on the display, depending on the side selected.

3b *(For Tape Deck 2 only)*
Press **REVERSE MODE** to select the different type of playback mode *(see auto reverse playback)*

4 Press **STOP ■** to end playback.

Notes:
- *To change side before playback begins, use the SIDE button on the remote control.*
- *When the tape has stopped playing, the system will switch to the standby mode automatically after 15 minutes if no button is pressed.*

TAPE

Auto Reverse Playback *(only on tape deck 2)*

- Press **REVERSE MODE** to select the different playback modes.

  ⇄ ..... recording or playback on one side of the tape. The tape stops at the end of one side.

  ⇄ ..... recording or playback on both sides of the tape. The tape then stops.

  ⇄ ..... continuous playback on both sides of the tape up to a maximum of 20 times per side unless you press **STOP ■**.

Rewind/Fast Forward *(only on tape deck 2)*

At the stop mode

1 You can rewind or fast forward the tape by pressing ◀◀ or ▶▶ respectively.
   → "⋘ or ⋙" will be displayed depending on which button is pressed.
   → The tape will stop automatically at the end of the rewinding or fast forwarding.
2 Press **STOP ■** to stop rewind or fast forward.

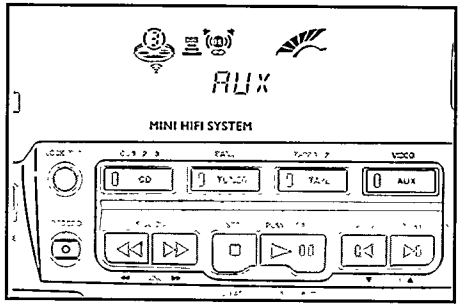
During playback

- Press and hold ◀◀ or ▶▶ respectively until the desired passage is located.
  → During searching, the sound is reduced to a low volume.
  → When you release ◀◀ or ▶▶, the tape continues playing.

Notes:

– *During rewinding or fast forwarding of a tape, it is possible to select another source (e.g. CD, TUNER or AUX).*
– *Check and tighten slack tape with a pencil before use. Slack tape may get jammed or may burst in the mechanism.*
– *C-120 tape is extremely thin and is easily deformed or damaged. It is not recommended for use in this system.*
– *Store the tapes at room temperature and do not put them too close to a magnetic field (for example, a transformer, TV or loudspeaker boxes).*

AUX



Selecting External Equipment

If you have connected the audio out terminals of the external equipment (TV, VCR, Laser Disc or DVD player) to the AUX IN terminals, you can hear the sound from the system.

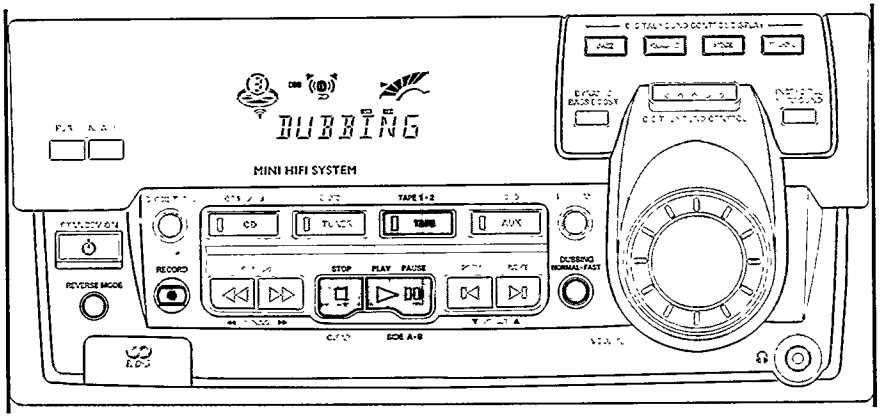
- Press **AUX** to select the external mode.
  → "AUX" will be displayed.

Note:

– *All the sound control features (e.g. DSC, DBB, etc.) are available for selection.*

English

English



Notes:
- *For recording, use only tape of IEC type 1 (normal tape) or IEC type II (Chrome).*
- *The tape is secured at both ends with leader tape. At the beginning and end of tape, nothing will be recorded for six to seven seconds.*
- *The recording level is set automatically, regardless of the position of VOLUME, DBB or Incredible Surround.*
- *To prevent accidental recording, break out the tab on the left shoulder of the tape side that you want to protect.*
- *If "CHECK TAPE" is displayed, the protection tab has been broken. Put a piece of clear adhesive tape over the opening. Do not cover the CrO_2 tape detection hole when covering the tab opening.*

Recording from other sources *(only on tape deck 2)*

1 Press **TAPE** to select tape deck 2.
2 Load a blank tape into tape deck 2 with the open side downward.
3 Press **SIDE** on remote control to select the recording side.
→ The ◄ or ► (back or front) flag will be displayed, depending on the side selected.
4 Press **REVERSE MODE** to select the playback mode (⇄ or ⇉).
5 Press **CD**, **TUNER** or **AUX**.
• Start playback of the selected source.
6 Press **RECORD** to start recording.
→ The REC flag starts flashing.
7 Press **STOP** ■ to stop recording.

Notes:
- *Only ⇄ or ⇉ mode is available during recording*
- *During recording, it is not possible to listen to another source.*

Dubbing tapes *(from tape deck 1 to tape deck 2)*

1 Press **TAPE** to select tape deck 2.
2 Load the prerecorded tape into tape deck 1 and a blank tape into tape deck 2.
→ Make sure that the tape in tape deck 1 has its full spool to the left.
3 Press **SIDE** on remote control to select the recording side.
4 Press **DUBBING** ***once*** for normal speed dubbing or ***twice*** *(within 2 seconds)* for high speed dubbing
→ "NORMAL" (normal speed) or "FAST" (high speed) will be displayed and then followed by "DUBBING".
→ The HSD flag appears on the display for high speed dubbing.
• Dubbing will start immediately.
→ The REC flag starts flashing.
5 Press **STOP** ■ to stop dubbing.

Notes:
- *At the end of side A, flip the tapes to side B and repeat the procedure.*
- *Dubbing of tapes is only possible from tape deck 1 to tape deck 2.*
- *To ensure good dubbing, use tapes of the same length.*
- *During high speed dubbing in Tape mode, the sound is reduced to a low volume.*
- *You can switch to other source while dubbing*

CD Synchro Start Recording

1 Load a blank tape into tape deck 2 and a disc into the disc tray.
2 Press **CD** to select CD mode .
- You can program the tracks in the order you want them to be recorded (see Programming Tracks). If not, the tracks are recorded according to the selected disc.

3 Press **RECORD** to start recording.
→ The REC flag starts flashing.
- CD will start playback automatically.

4 Press **STOP ■** to stop recording.

One Touch Recording

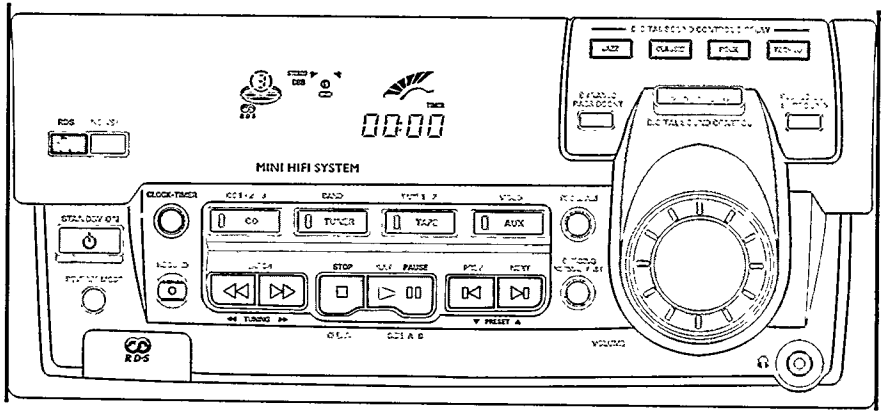
- For One Touch Recording, as soon as you press **RECORD**, the current source will be recorded on tape deck 2.

1 Load a blank tape in tape deck 2.
2 Press **RECORD** to start recording.
→ The REC flag starts flashing.
3 Press **STOP ■** to stop recording.

Note:
– *When you press RECORD at TAPE mode, "SELECT OTHER SOURCE" will be displayed. One Touch Recording is not possible at TAPE mode.*

CD Recording

- For CD recording, please refer to the Instructions Manual of the CD Recordable player.



View Clock

You can view the clock (if it is set) at standby or any source mode. It will be displayed for about 7 seconds.

- Press **CLOCK•TIMER** briefly.
→ "10:25" (the current time) will be displayed.
→ "- - : - -" will be displayed if the clock is not set.

Clock setting

The clock is set in 24-hour mode, e.g. 00:00 or 23:59. Before setting the clock, you must be at the View Clock mode.

1 Press **CLOCK•TIMER** to select clock mode.
→ "00:00" or the current time starts flashing.
→ "◀◀, ▶▶, |◀, ▶|, ■ " light up.
2 Set the hour with ◀◀ or ▶▶.
3 Set the minute with |◀ or ▶|.
4 Press **CLOCK•TIMER** again to store the setting.
→ The clock starts running.

- To exit without storing the setting, press **STOP ■**.

Notes:
– *During clock setting, if no button is pressed within 90 seconds, the system will exit clock setting mode automatically.*
– *When power interruption occurs, the clock setting is erased.*
– *To set the time with RDS clock, see "RECEIVING RDS RADIO STATION" under TUNER section.*

English

TIMER

Timer Setting

- The system can switch on to CD, TUNER or TAPE 1 mode automatically at a preset time. It can serve as an alarm to wake you up. After half an hour from the preset time, the system will return to the standby mode if no button is pressed.
- Before setting the timer, make sure the clock is set correctly.
- The timer has to be reset or start again for each subsequent preset time.
- **The volume of the timer will be at the last setting before the system is switched to standby mode.**

1 Press and hold **CLOCK•TIMER** for more than 2 seconds to select timer mode.
→ "ON 00:00" or the last set timer starts flashing. The TIMER flag will be displayed.
→ The last selected source is lighted while other available sources are flashing.
→ "◀◀, ▶▶, |◀, ▶|, ■" light up.
2 Press **CD, TUNER** or **TAPE** to select the desired source.
- Before selecting CD or TAPE mode, make sure that a CD or tape is loaded respectively in the CD tray or tape deck 1.

3 Press ◀◀ or ▶▶ to set the hour for the timer to start.
4 Press |◀ or ▶| to set the minute for the timer to start.
5 Press **CLOCK•TIMER** again to store the start time and the selected source.
→ The TIMER is now set.
→ The TIMER flag remains on the display.
- To exit without storing the setting, press **STOP ■**.
- At the preset time, the TIMER will be activated.
→ The selected source will be played.
→ The TIMER flag disappears from the display.

Notes:
- *During timer setting, if no button is pressed within 90 seconds, the system will exit timer setting mode automatically.*
- *If the source selected is TUNER, the last tuned frequency will be switched on.*
- *If the source selected is CD, playback will begin with the first track of the last selected disc. If the CD trays are empty, the TUNER will be selected instead.*
- *If the source selected is TAPE 1, and if the preset time is reached during high speed dubbing, the TUNER will be selected instead.*

To cancel the TIMER
1 Press **CLOCK•TIMER** for more than 2 seconds.
2 Press **PAUSE ❚❚** to cancel the timer.
→ "CANCEL" will be displayed.
→ The TIMER flag disappears from the display.

To start the TIMER again *(for the same time)*
1 Press **CLOCK•TIMER** for more than 2 seconds.
2 Press **CLOCK•TIMER** again to store the start time and the selected source.

Specifications

AMPLIFIER

Output power
- FW538 ..... 2 x 100 W MPO / 2 x 50 W RMS, 6Ω, 1 kHz, THD 10%

Signal-to-noise ratio ..... ≥ 75 dBA (IEC)
Frequency response ..... 60 - 16000 Hz, ±3 dB
Input sensitivity
- Aux In ..... 350 mV

Output
- Speakers (Left/Right) ..... ≥ 6 Ω
- Headphones ..... 32 Ω - 1000 Ω
- Line Out ..... 500 mV
- Subwoofer Out ..... 1.5 V
- Digital Optical Out ..... IEC 958, TOSLINK, 44.1 kHz

CD PLAYER

Number of programmable tracks 40
Frequency range ..... 40 - 20000 Hz
Signal-to-noise ratio ..... ≥ 80 dBA
Channel separation ..... ≥ 60 dB (1 kHz)
Total harmonic distortion ..... < 0.003%

TUNER

FM wave range ..... 87.5 - 108 MHz
MW wave range ..... 531 - 1602 kHz
LW wave range ..... 153 - 279 kHz
Number of presets 40
Antenna FM ..... 75 Ω wire
AM ..... Loop antenna

TAPE DECKS

Frequency range
- CrO_2 tape (type II) ..... 80 - 14000 Hz (8 dB)
- Normal tape (type I) ..... 80 - 12500 Hz (8 dB)

Signal-to-noise ratio
- CrO_2 tape (type II) ..... ≥ 52 dBA
- Normal tape (type I) ..... ≥ 48 dBA

Wow and flutter ..... ≤ 0.4% DIN

SPEAKERS

Front Left/Right
system ..... 3-way; 4 bass ports
Impedance ..... 6 Ω
Woofer ..... 1 x 5.5"
Tweeter ..... 1 x 2.5"
Tweeter ..... 1 x 1" Polydome
Dimensions (w x h x d) ..... 240 x 310 x 320 (mm)
Weight ..... 3.9 kg./each

CD RECORDABLE PLAYER

For detailed specifications, please refer to the Instructions Manual of the CD Recordable player.

GENERAL INFORMATION

Material/finish ..... Polystyrene/Metal
AC Power ..... 220 - 240 V / 50 Hz
Power Consumption
- Active ..... 75 W
- Standby ..... ≤ 11 W

Dimensions (w x h x d) ..... 265 x 310 x 380 (mm)
Weight (without speakers) ..... 7.5 kg

Subject to modification

MAINTENANCE

Maintenance

Cleaning the Cabinet

- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning Discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.
- Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analog records.

Cleaning the CD lens

- After prolonged usage, dirt or dust may accumulate at the CD lens. To ensure good playback quality, clean the CD lens with Philips CD Lens Cleaner or any commercially available. Follow the instructions supplied with the Lens Cleaner.

Cleaning the Tape Heads and the Tape Paths

- To ensure good recording and playback quality, clean the heads, capstan(s) and pressure roller(s) after every 50 hours of tape operation.
- Use a cotton swab slightly moistened with cleaning fluid or alcohol.
- You can also clean the heads by playing a cleaning tape through once.

Demagnetizing the heads

- Use a demagnetizing tape available at your dealer.

TROUBLESHOOTING

Warning! Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty.

- If a fault occurs, check the points listed below before taking the system for repair.
- Should any problems persist after you have made these checks, consult your nearest dealer or service center.

CD Player Operation

"NO DISC" is displayed.

- The disc is inserted upside down.
→ *Place CD with printed side up.*
- Moisture condensation at the lens.
→ *Wait until lens has adjusted to normal room temperature.*
- There is no disc in the CD tray.
→ *Insert a CD.*
- The CD is dirty, badly scratched or warped.
→ *Clean or replace the CD.*
- The CD lens is dirty or dusty.
→ *See section under Maintenance.*

Radio Reception

Poor radio reception

- The signal strength is too weak
→ *Adjust the antenna.*
- The TV or VCR is too close to the stereo system.
→ *Separate the stereo system from the TV or VCR.*
→ *Connect an external antenna for better reception*

"NO RDS TEXT" is displayed.

- RDS text message is not available.
→ *Select another RDS station.*

Tape Deck Operation

"RECORDING ACTIVE" is displayed.

- A recording is in progress.
→ *Stop the recording or wait until it is finished.*

"TAPE DUBBING ONLY" is displayed.

- Tape dubbing is only possible in tape mode.
→ *Switch source to tape mode.*

Recording or playback cannot be made or there is a decrease in audio level.

- Dirty tape heads, capstans or pressure rollers.
→ *See section on tape deck maintenance*
- Magnetic build-up in the record/playback head
→ *Use demagnetizing tape*

General

System does not react when any button is pressed.

- Electrostatic discharge.
- → *Press STANDBY•ON to switch the system off. Remove the AC power plug from the wall outlet, then reconnect and switch on the system again.*

No or poor sound.

- Volume is not turned up.
- → *Adjust VOLUME.*
- The headphones are connected.
- → *Disconnect the headphones.*
- Speakers are not connected or are connected wrongly.
- → *Check that the speakers are connected correctly.*
- → *Make sure that the stripped speaker wire is clamped.*

Reversed left and right sound.

- Speakers are incorrectly connected.
- → *Check the speaker connections and location.*

Lack of bass sound or apparently imprecise physical location of musical instruments.

- Speakers are incorrectly connected.
- → *Check the speaker connection for proper phasing, red/black wires to red/black terminals.*

Remote control has no effect on the system.

- Wrong source is selected.
- → *Select the source (CD, TUNER, etc.) before pressing the function button (PLAY, PREV/NEXT, etc.).*
- The distance to the system is too large.
- → *Reduce the distance.*
- Batteries are inserted incorrectly.
- → *Insert the batteries with their polarities (+/- signs) as indicated.*
- Batteries are exhausted.
- → *Replace the batteries.*

Timer not working.

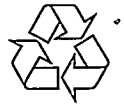
- Timer is not switched on.
- → *Press CLOCK•TIMER on the system to switch on the timer.*
- Dubbing/recording is in progress.
- → *Stop dubbing/recording.*

System display features automatically and buttons flashing continuously.

- Demonstration mode is switched on.
- → *Press and hold STOP ■ for 3 seconds to switch off the demonstration mode.*

"Meet PHILIPS at the internet
http://www.philips.com"

FW 538



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